



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/838,348	04/19/2001	Randall W. Ojanen	K-1786	2490
7590	01/17/2006		EXAMINER	
Kennametal Inc. P.O. Box 231 Latrobe, PA 15650			SINGH, SUNIL	
			ART UNIT	PAPER NUMBER
			3673	

DATE MAILED: 01/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/838,348	OJANEN, RANDALL W.	
	Examiner	Art Unit	
	Sunil Singh	3673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 15-17, 29, 30, 32-34, 36-40 and 43-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 15-17, 29-30, 32-34, 36-40, 43-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. ____.  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____.   | 6) <input type="checkbox"/> Other: ____.                                    |

### **DETAILED ACTION**

It should be noted that the finality of office action mailed 6/6/05 has been withdrawn.

#### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 15-17, 29-30, 32-34, 36-40, 43-47 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are replete with indefiniteness and antecedent basis errors that are too numerous to mention each one specifically; applicant should carefully check all claims and correct any such errors; some examples are noted.

Claim 15 lines 4,9,10, "the retainer" lacks clear antecedent basis.

Claim 15 lines 6,12, "said retainer" lacks clear antecedent basis.

Claim 15 line 8, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 16 line 2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 17 lines 1-2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 33 line 1, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Art Unit: 3673

Claim 34 lines 1-2, "said retainer" lacks clear antecedent basis.

Claim 34 line 2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 32 lines 1-2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 32 line 3, "said retainer" lacks clear antecedent basis.

Claim 29 lines 5, 8, 9, "said retainer" is recited; claim 29 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 29 line 7, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 30 line 2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 36 line 1, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 36 line 1, "said retainer" is recited; claim 29 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 37 line 1, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Claim 38 line 1, "said retainer" is recited; claim 29 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 38 line 2, "said dimples" lack clear antecedent basis; it appears as if it should be related back to the "at least one dimple".

Art Unit: 3673

Claim 46 line 1, "said retainer" is recited; claim 29 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 39 lines 5,9, "said retainer" lacks clear antecedent basis.

Claim 39 line 8, "the retainer" lacks clear antecedent basis.

Claim 40 lines 5, 9, "said retainer" is recited; claim 40 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 40 line 8, "the retainer" is recited; claim 40 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 47 line 1, "said retainer" is recited; claim 40 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 43 lines 5, 10, 11, "said retainer" is recited; claim 43 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 43 line 9, "the retainer" is recited; claim 43 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 43 line 8, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least two dimples".

Claim 44 lines 2-3, "said retainer" is recited; claim 43 line 3, "a retainer sleeve" is recited; it is unclear if they should be related.

Claim 45 line 1, "said dimple" lacks clear antecedent basis; it appears as if it should be related back to the "at least two dimples".

Art Unit: 3673

***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sunil Singh whose telephone number is (571) 272-7051.

The examiner can normally be reached on Monday through Friday 10:30 AM - 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Suzanne Barrett can be reached on (571) 272-7053. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sunil Singh  
Primary Examiner  
Art Unit 3673



SS

SS

1/6/06